

2002

Births To Teens

In Wisconsin

*Bureau of Health Information
Division of Health Care Financing
Wisconsin Department of Health and Family Services*

Births To Teens In Wisconsin

2002

November 2003

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Suggested citation:

Wisconsin Department of Health and Family Services, Division of Health Care Financing,
Bureau of Health Information. *Births to Teens in Wisconsin, 2002* (PHC 5365).
November 2003.

Overview

This report presents data on live births to Wisconsin teens for 2002 and other relevant years in two main sections: "Statewide Information" and "Local Information."

Data files used in the report are the resident birth certificate file, the matched infant birth-death file, the fetal death file, and the reported induced abortion publication. All data refer to Wisconsin residents unless otherwise noted.

All the information presented here is derived from data that appeared previously in reports from the Bureau of Health Information, with the exception of Table 11 (teen births by race and county of residence), and Table 13 (teen births by selected city of residence).

All the information is presented according to place of residence. This means that events have been assigned to the area where the person lives (usually legal residence) regardless of where the events occurred. For births, the reference is to the residence of the mother. For deaths, the reference is to the residence of the infant.

Additional health-related statistical information for Wisconsin is available through the Internet on the Department of Health and Family Services site, at <http://www.dhfs.state.wi.us/stats> . Wisconsin Interactive Statistics on Health (WISH) is an online data query system, located at <http://www.dhfs.state.wi.us/wish>, which includes birth data for multiple years and geographic areas in Wisconsin. Trend tables of maternal and child health data for individual counties are available at <http://www.dhfs.state.wi.us/localdata/infantspgwomn/start.htm> .

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Local Information

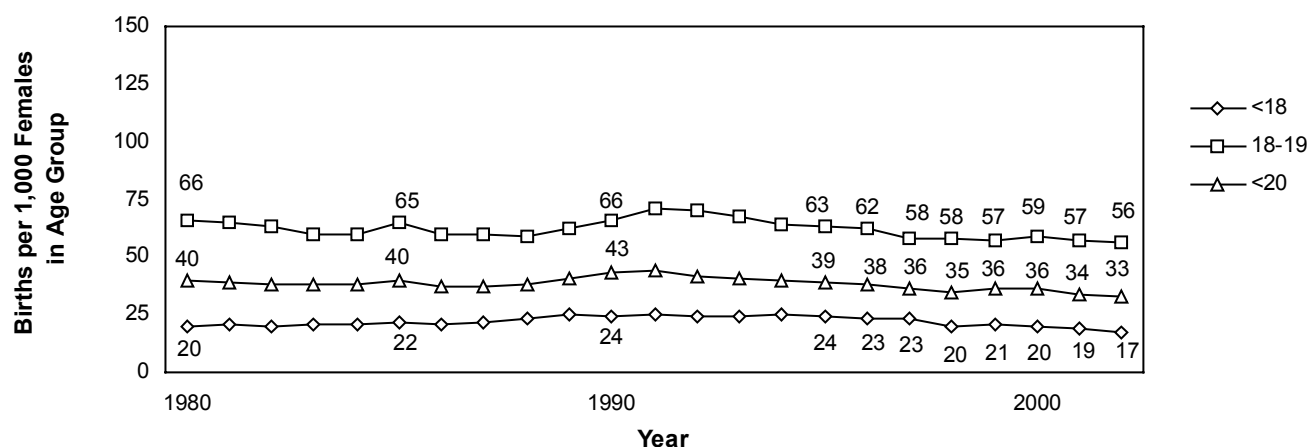
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Table 1. Births to Teens by Age Group, Wisconsin, 1970-2002

Year	Number of Teen Births		Total Births <18	Number of Teen Births		Total Births <20	Percent of Teen Births		Percent Of All Births <18	Percent of Teen Births 18-19	Percent of All Births <20
	<15	15-17		18-19	<20		<15	15-17			
1970	87	2,522	2,609	7,088	9,697	0.9%	26.0%	3.4%	73.1%	12.5%	
1971	98	2,575	2,673	6,774	9,447	1.0	27.3	3.7	71.7	13.1	
1972	88	2,846	2,934	6,267	9,201	1.0	30.9	4.5	68.1	14.2	
1973	120	3,013	3,133	6,651	9,784	1.2	30.8	5.0	68.0	15.6	
1974	119	3,100	3,219	6,435	9,654	1.2	32.1	4.9	66.7	14.8	
1975	103	3,256	3,359	6,279	9,638	1.1	33.8	5.2	65.1	14.8	
1976	125	2,970	3,095	6,111	9,206	1.4	32.3	4.8	66.4	14.2	
1977	103	2,920	3,023	6,094	9,117	1.1	32.0	4.4	66.8	13.3	
1978	72	2,865	2,937	5,940	8,877	0.8	32.3	4.3	66.9	12.9	
1979	120	2,688	2,808	6,473	9,281	1.3	28.9	3.8	69.7	12.7	
1980	93	2,741	2,834	6,379	9,213	1.0	29.8	3.8	69.2	12.3	
1981	94	2,655	2,749	6,029	8,778	1.1	30.2	3.7	68.7	11.8	
1982	91	2,452	2,543	5,659	8,202	1.1	29.9	3.4	69.0	11.0	
1983	98	2,397	2,495	5,258	7,753	1.3	30.9	3.4	67.8	10.7	
1984	98	2,305	2,403	4,973	7,376	1.3	31.2	3.3	67.4	10.1	
1985	123	2,389	2,512	4,976	7,488	1.6	31.9	3.4	66.4	10.2	
1986	121	2,340	2,461	4,679	7,140	1.7	32.8	3.4	65.5	9.9	
1987	114	2,369	2,483	4,425	6,908	1.7	34.3	3.5	64.1	9.7	
1988	133	2,322	2,455	4,486	6,941	1.9	33.5	3.5	64.6	9.8	
1989	141	2,416	2,557	4,707	7,264	1.9	33.3	3.6	64.8	10.1	
1990	148	2,337	2,485	4,925	7,410	2.0	31.5	3.4	66.5	10.2	
1991	147	2,440	2,587	4,828	7,415	2.0	32.9	3.6	65.1	10.3	
1992	159	2,427	2,586	4,622	7,208	2.2	33.7	3.7	64.1	10.2	
1993	175	2,481	2,656	4,576	7,232	2.4	34.3	3.8	63.3	10.4	
1994	161	2,497	2,658	4,379	7,037	2.3	35.5	3.9	62.2	10.3	
1995	182	2,549	2,731	4,379	7,110	2.6	35.9	4.0	61.6	10.5	
1996	143	2,507	2,650	4,453	7,103	2.0	35.3	4.0	62.7	10.6	
1997	163	2,541	2,704	4,384	7,088	2.3	35.8	4.1	61.9	10.7	
1998	111	2,366	2,477	4,570	7,047	1.6	33.6	3.7	64.9	10.5	
1999	116	2,432	2,548	4,760	7,308	1.6	33.3	3.7	65.1	10.7	
2000	99	2,225	2,324	4,753	7,077	1.4	31.4	3.4	67.2	10.2	
2001	80	2,167	2,247	4,602	6,849	1.2	31.6	3.3	67.2	9.9	
2002	108	1,898	2,006	4,528	6,534	1.7	29.0	2.9	69.3	9.5	

Sources: Wisconsin Bureau of Health Information, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Maternal and Child Health Statistics* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Note: The numbers of 1996 teen births reported here are different from those published earlier because other states filed three duplicate records for Wisconsin resident teen births.

Figure 1. Age-Specific Teen Birth Rates, Wisconsin, 1980-2002

Sources: Wisconsin Bureau of Health Information, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Note: The <18 (less than 18) and <20 (less than 20) birth rates are per 1,000 females aged 15-17 and 15-19, respectively, but include births to mothers less than 15.

Table 2a. Age-Specific Teen Birth Rates, Wisconsin and United States, 2002

Age	Wisconsin Rate		U.S. Rate
15-19	32.7	(32.2)*	42.9
15-17	17.0	(16.0)*	23.2
18-19	55.5		72.7

Sources: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*. United States rates are from the *National Vital Statistics Report*, Vol. 51, No. 11, 2003.

Notes: Rates are the number of births per 1,000 females in the age group. Wisconsin rates shown for births to mothers aged 15-19 and 15-17 includes 108 births to mothers less than 15 years old. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old. *Rates in parentheses are calculated to be comparable to U.S. rates, which exclude mothers younger than 15.

Table 2b. Teen Birth Rates, Wisconsin and United States, 1980-2002

	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Ages 15-17														
Wisconsin	21	24	25	24	24	23	22	21	21	19	20	19	18	16
United States	33	38	39	38	38	38	36	34	32	30	29	27	25	23
Ages 15-19														
Wisconsin	40	42	44	42	41	39	38	37	35	35	35	35	34	32
United States	53	60	62	61	60	59	57	54	52	51	50	48	45	43

Sources: Wisconsin Bureau of Health Information, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2002. United States rates are from the National Center for Health Statistics (NCHS), *National Vital Statistics Report*, "Births: Preliminary Data for 2002," Vol. 51, No. 11, June 25, 2003; NCHS, *National Vital Statistics Report*, "Revised Birth and Fertility Rates for the United States, 2000 and 2001," Vol. 51, No. 4, Feb. 6, 2003; NCHS, *Health, United States, 2002, With Chartbook on Trends in the Health of Americans*, Hyattsville, Maryland, 2002; and NCHS, *National Vital Statistics Report*, "Births to Teenagers in the United States, 1940-2000," Vol. 49, No. 10, Sept. 25, 2001.

Notes: Rates are the number of births per 1,000 females aged 15-19. Wisconsin rates for this table exclude births to mothers below age 15.

Table 3. Births to Teens by Age Group and Race/Ethnicity, Wisconsin, Selected Years

Year	Number of Births			Birth Rate
	<18	18-19	<20	<20
1992				
White	1,241	2,846	4,087	27.9
Black/African American	977	1,198	2,175	185.5
American Indian	81	142	223	130.4
Hispanic/Latino, Any Race	180	285	465	91.6
Total Births	2,586	4,622	7,208	43.0
2001				
White	998	2,751	3,749	22.4
Black/African American	717	948	1,665	116.1
American Indian	69	120	189	86.8
Hispanic/Latino, Any Race	333	567	900	103.9
Total Births	2,247	4,602	6,849	34.2
2002				
White	853	2,656	3,509	20.9
Black/African American	642	958	1,600	105.0
American Indian	77	112	189	79.3
Hispanic/Latino, Any Race	322	610	932	108.0
Total Births	2,006	4,528	6,534	32.7

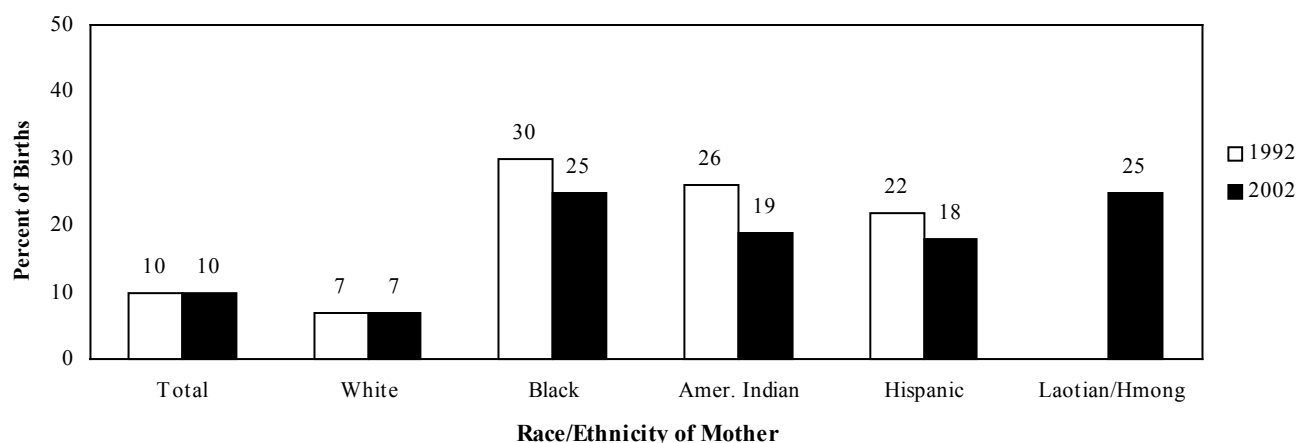
Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics 1992; Wisconsin Births and Infant Deaths* for the years 2001 and 2002.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) Because individuals could report more than one race for the first time during the 2000 Census, rates for earlier years are not directly comparable to those for 2000 and later.

The <20 birth rates are per 1,000 females aged 15-19, but include births to mothers less than 15.

Totals include all births to mothers in these age groups, regardless of race/ethnicity.

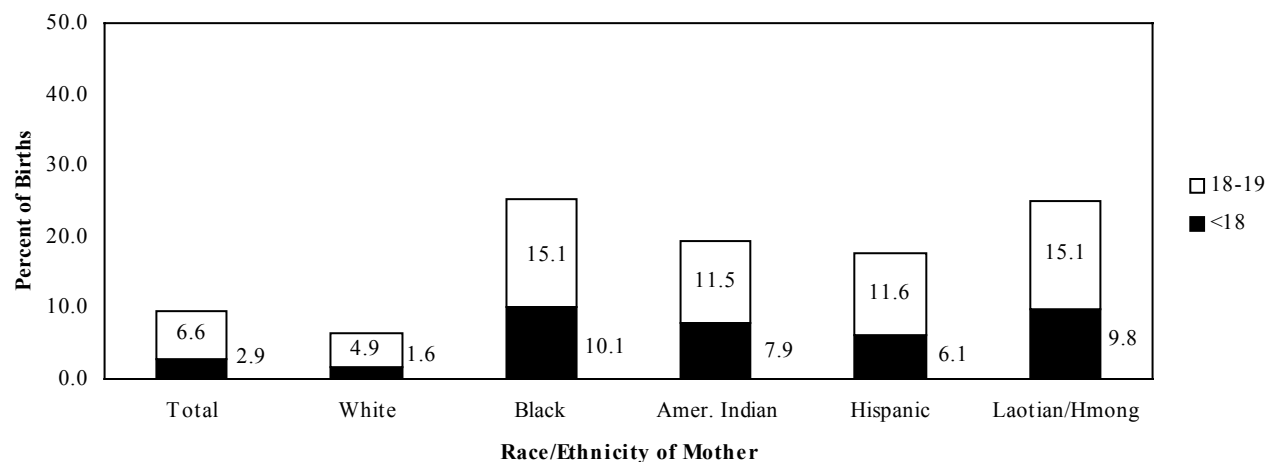
Figure 2. Births to Teens as a Percent of All Births by Race/Ethnicity, Wisconsin, 1992 and 2002



Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: Births to mothers of Hispanic origin are excluded from race categories in this figure because a Hispanic ethnicity category is shown (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within self-identified race categories.) In 2002, 5% of births to mothers whose race/ethnicity was considered to be in the “other” category were to teens (not shown). There are no comparable 1992 data for the Laotian/Hmong or “other” group.

Figure 3. Births to Teens as a Percent of All Births by Race/Ethnicity and Age Group, Wisconsin 2002



Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.)

Table 4. Births to Teens by Marital Status, Wisconsin, Selected Years

Marital Status	1992	1995	1996	1997	1998	1999	2000	2001	2002
Married									
Number	1,357	1,171	1,146	1,095	1,077	1,149	1,096	1,018	1,048
Percent	18.8%	16.5%	16.1%	15.4%	15.3%	15.7%	15.5%	14.9%	16.0%
Unmarried									
Number	5,851	5,937	5,957	5,993	5,970	6,159	5,981	5,831	5,486
Percent	81.2%	83.5%	83.9%	84.6%	84.7%	84.3%	84.5%	85.1%	84.0%
Teen Births	7,208	7,110	7,103	7,088	7,047	7,308	7,077	6,849	6,534

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* for the years 1992; *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Note: Marital status was not reported for one birth in 1994 and 2001, two births in 1995 and nine births in 2002.

Table 5. Births to Teens Who Received First-Trimester Prenatal Care, by Age Group, Wisconsin, 1992-2002

Year	Less than 18		18-19		Less than 20		All Births/All Ages	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1992	1,446	56	2,987	65	4,433	62	57,804	82
1993	1,527	57	2,973	65	4,500	62	57,251	82
1994	1,574	59	2,978	68	4,552	65	56,716	83
1995	1,628	60	3,074	70	4,702	66	56,155	83
1996	1,608	61	3,149	71	4,757	67	56,273	84
1997	1,640	61	3,167	72	4,807	68	56,112	84
1998	1,518	61	3,171	69	4,689	67	56,645	84
1999	1,520	60	3,401	71	4,921	67	57,203	84
2000	1,373	59	3,354	71	4,727	67	58,129	84
2001	1,345	60	3,219	70	4,564	67	57,747	84
2002	1,206	60	3,187	70	4,393	67	57,686	84

Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* for the years 1991-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Table 6. Second Order or Higher Births to Teens by Age Group, Wisconsin, Selected Years

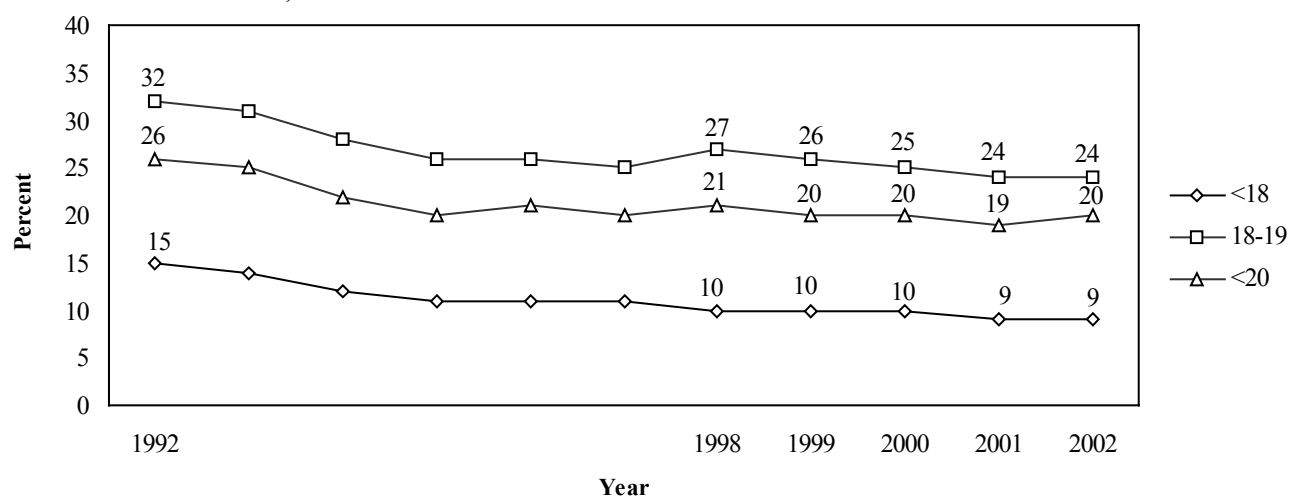
Age Group	1995	1996	1997	1998	1999	2000	2001	2002
Less than 18	307	289	295	251	263	244	200	175
18-19	1,130	1,179	1,097	1,233	1,229	1,197	1,088	1,103
Total <20	1,437	1,468	1,392	1,484	1,492	1,441	1,288	1,278

Sources: *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Notes: Birth order means order of present birth in relation to previous births.

Birth order was not reported for three births to mothers 18-19 in 1995; and for one birth to mothers <18 and one birth to mothers 18-19 in 1996.

Figure 4. Percent of Second Order or Higher Births to Teens by Age Group, Wisconsin, 1992-2002



Sources: Wisconsin Bureau of Health Information, *Maternal and Child Health Statistics* for the years 1992-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2002.

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2002

	<15	15-17	<18	18-19	<20	All Births All Ages
Total	108	1,898	2,006	4,528	6,534	68,510
Race/Ethnicity of Mother						
White	26	827	853	2,656	3,509	53,798
Black/African American	54	588	642	958	1,600	6,338
American Indian	3	74	77	112	189	974
Hispanic/Latino	20	302	322	610	932	5,274
Laotian/Hmong	5	91	96	148	244	977
Other	-	16	16	44	60	1,125
Unknown	-	-	-	-	-	24
Education of Mother						
Elementary. or Less	90	201	291	155	446	2,514
Some High School	16	1,547	1,563	1,772	3,335	8,448
High School Graduate	-	129	129	2,292	2,421	20,234
Some College	-	-	-	282	282	16,454
College Graduate	-	-	-	1	1	12,059
Post-Graduate	1	7	8	-	8	8,561
Unknown	1	14	15	26	41	240
Marital Status						
Married	-	178	178	870	1,048	47,794
Unmarried	108	1,720	1,828	3,658	5,486	20,707
Unknown	-	-	-	-	-	9
Trimester Prenatal Care Began						
First	49	1,157	1,206	3,187	4,393	57,686
Second	41	576	617	1,081	1,698	8,544
Third	13	138	151	192	343	1,677
No Prenatal Care	5	22	27	59	86	479
Unknown	-	5	5	9	14	124
Number of Prenatal Care Visits						
No Visits	5	22	27	59	86	479
1-4	12	120	132	197	329	1,729
5-9	38	586	624	1,215	1,839	12,760
10-12	38	782	820	1,935	2,755	30,610
13+	15	382	397	1,105	1,502	22,717
Unknown	-	6	6	17	23	215
Birthweight						
<1,500 grams	3	44	47	66	113	863
1500-2,499 grams	5	158	163	332	495	3,686
2,500+ grams	100	1,696	1,796	4,130	5,926	63,949
Unknown	-	-	-	-	-	12
<2,500 grams	8	202	210	398	608	4,549

(Continued)

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2002

	<15	15-17	<18	18-19	<20	All Births All Ages
Smoked During Pregnancy						
No	94	1,536	1,630	3,303	4,933	58,317
Yes	14	361	375	1,222	1,597	10,139
Unknown	-	1	1	3	4	54
Live Birth Order						
First	108	1,723	1,831	3,425	5,256	26,980
Second	-	167	167	936	1,103	22,869
Third	-	7	7	150	157	11,075
Fourth	-	1	1	14	15	4,322
Fifth or Higher	-	-	-	3	3	3,256
Unknown	-	-	-	-	-	8
Plurality						
Single Birth	108	1,861	1,969	4,466	6,435	66,427
Multiple Birth	-	37	37	62	99	2,083

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: Included in the total of all births are nine births for which age of mother was not reported. Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) A dash (-) indicates there were no births in that category.

Table 8. Fetal, Neonatal, and Infant Deaths by Teen Age Group, Wisconsin 2002

	<15	15-17	<18	18-19	<20	All Deaths All Ages
Fetal deaths						
Number	4	19	23	25	48	379
Rate	-	-	11.3	5.5	7.3	5.5
Neonatal deaths						
Number	1	22	23	35	58	324
Rate	-	11.6	11.5	7.7	8.9	4.7
Infant deaths						
Number	1	30	31	49	80	471
Rate	-	15.8	15.5	10.8	12.2	6.9

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: The fetal death rate is the number of reported fetal deaths per 1,000 live births and fetal deaths (see Technical Notes). (Fetal deaths are reportable only when fetal gestation is 20 weeks or more.)
The neonatal death rate is the number of deaths occurring before 28 days of age, per 1,000 live births.
The infant death rate is the number of deaths occurring before one year of age, per 1,000 live births.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2002

County	<15	15-17	<18	18-19	<20	All Births All Ages
Total	108	1,898	2,006	4,528	6,534	68,510
Adams	-	8	8	18	26	160
Ashland	-	6	6	16	22	211
Barron	-	13	13	50	63	514
Bayfield	-	2	2	10	12	151
Brown	8	74	82	222	304	3,282
Buffalo	-	2	2	9	11	160
Burnett	-	6	6	16	22	172
Calumet	-	7	7	12	19	566
Chippewa	-	10	10	52	62	695
Clark	-	6	6	36	42	526
Columbia	-	6	6	33	39	622
Crawford	-	5	5	20	25	185
Dane	7	109	116	219	335	5,561
Dodge	-	18	18	62	80	950
Door	-	1	1	17	18	226
Douglas	1	11	12	34	46	474
Dunn	-	14	14	19	33	464
Eau Claire	-	22	22	61	83	1,098
Florence	-	-	-	4	4	36
Fond du Lac	-	19	19	72	91	1,132
Forest	-	8	8	10	18	100
Grant	1	8	9	36	45	548
Green	-	11	11	19	30	377
Green Lake	-	8	8	11	19	222
Iowa	-	6	6	15	21	301
Iron	-	-	-	-	-	42
Jackson	-	7	7	15	22	226
Jefferson	2	26	28	55	83	960
Juneau	-	5	5	32	37	298
Kenosha	-	59	59	173	232	2,091
Kewaunee	-	5	5	12	17	235
La Crosse	1	21	22	73	95	1,253
Lafayette	-	5	5	8	13	194
Langlade	1	11	12	22	34	238
Lincoln	-	7	7	26	33	334
Manitowoc	2	29	31	57	88	846
Marathon	1	39	40	97	137	1,503
Marinette	-	7	7	32	39	395
Marquette	-	4	4	15	19	150
Menominee	-	8	8	8	16	85
Milwaukee	65	759	824	1,360	2,184	14,332
Monroe	-	8	8	44	52	559

(Continued)

Local Information

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2002

County	<15	15-17	<18	18-19	<20	All Births All Ages
Oconto	-	10	10	23	33	383
Oneida	-	3	3	18	21	327
Outagamie	1	43	44	128	172	2,337
Ozaukee	-	9	9	19	28	925
Pepin	-	1	1	5	6	84
Pierce	-	4	4	23	27	411
Polk	-	9	9	26	35	435
Portage	1	23	24	47	71	706
Price	-	4	4	6	10	137
Racine	9	93	102	226	328	2,540
Richland	-	2	2	10	12	207
Rock	3	70	73	171	244	1,966
Rusk	-	3	3	14	17	160
St. Croix	-	5	5	26	31	998
Sauk	-	23	23	56	79	722
Sawyer	-	5	5	17	22	171
Shawano	-	10	10	32	42	464
Sheboygan	2	27	29	78	107	1,380
Taylor	-	4	4	13	17	230
Trempealeau	-	6	6	10	16	284
Vernon	-	6	6	23	29	381
Vilas	-	5	5	13	18	189
Walworth	-	20	20	73	93	1,161
Washburn	-	4	4	14	18	159
Washington	1	11	12	51	63	1,517
Waukesha	1	42	43	110	153	4,268
Waupaca	-	13	13	33	46	598
Waushara	-	9	9	25	34	239
Winnebago	1	39	40	89	129	1,845
Wood	-	15	15	47	62	812

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: Included in the "all births" column are nine births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2002

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Total	17.0	55.5	32.7	23.2	70.6	42.5
Adams	-	-	51.6	-	-	51.6
Ashland	-	-	31.4	-	-	31.4
Barron	-	73.3	37.3	-	73.3	37.3
Bayfield	-	-	-	-	-	-
Brown	16.3	64.0	35.8	21.9	78.2	44.9
Buffalo	-	-	-	-	-	-
Burnett	-	-	42.8	-	-	42.8
Calumet	-	-	-	-	-	-
Chippewa	-	60.7	30.0	-	60.7	30.0
Clark	-	63.7	30.6	-	63.7	30.6
Columbia	-	45.2	21.6	-	78.1	38.3
Crawford	-	80.3	39.9	-	80.3	39.9
Dane	11.8	33.1	20.3	21.1	56.2	35.2
Dodge	-	50.9	27.1	18.5	69.8	39.7
Door	-	-	21.1	-	-	-
Douglas	-	51.1	29.1	-	51.1	29.1
Dunn	-	-	15.7	-	-	15.7
Eau Claire	7.8	32.6	17.8	7.8	32.6	17.8
Florence	-	-	-	-	-	-
Fond du Lac	-	48.6	24.9	13.4	56.7	31.0
Forest	-	-	-	-	-	-
Grant	-	40.5	20.5	-	40.5	20.5
Green	-	-	25.6	-	-	25.6
Green Lake	-	-	-	-	-	-
Iowa	-	-	25.4	-	-	25.4
Iron	-	-	-	-	-	-
Jackson	-	-	35.9	-	-	35.9
Jefferson	14.8	42.7	26.1	20.6	54.3	34.3
Juneau	-	87.9	44.6	-	87.9	44.6
Kenosha	17.9	75.9	41.7	22.8	91.3	50.8
Kewaunee	-	-	-	-	-	-
La Crosse	7.3	36.2	18.9	10.0	42.6	23.1
Lafayette	-	-	-	-	-	-
Langlade	-	79.4	48.0	-	79.4	48.0
Lincoln	-	62.5	33.7	-	62.5	33.7
Manitowoc	17.4	46.1	29.2	23.6	57.4	37.5
Marathon	14.5	49.0	28.9	17.0	57.1	33.8
Marinette	-	48.9	24.4	-	50.5	25.0
Marquette	-	-	-	-	-	-
Menominee	-	-	-	-	-	-
Milwaukee	41.0	100.8	65.0	54.4	134.0	86.3
Monroe	-	69.4	33.0	-	71.0	33.6

(Continued)

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2002

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Oconto	-	39.9	25.2	-	39.9	25.2
Oneida	-	-	18.2	-	48.4	27.7
Outagamie	12.1	52.1	28.2	18.6	65.1	37.3
Ozaukee	-	-	9.4	-	26.5	17.4
Pepin	-	-	-	-	-	-
Pierce	-	28.2	13.3	-	28.2	13.3
Polk	-	41.7	22.9	-	41.7	22.9
Portage	12.6	35.3	21.9	12.6	35.3	21.9
Price	-	-	-	-	-	-
Racine	26.0	82.8	49.3	33.9	101.5	61.7
Richland	-	-	-	-	-	-
Rock	23.0	76.6	45.1	28.9	84.2	51.7
Rusk	-	-	-	-	-	-
St. Croix	-	25.5	12.7	-	25.5	12.7
Sauk	19.9	73.4	41.2	30.3	91.7	54.8
Sawyer	-	-	39.5	-	-	41.3
Shawano	-	54.9	29.6	-	54.9	30.3
Sheboygan	12.7	47.8	27.3	20.5	61.9	37.8
Taylor	-	-	-	-	-	-
Trempealeau	-	-	-	-	-	-
Vernon	-	51.3	27.0	-	51.3	27.0
Vilas	-	-	-	-	-	-
Walworth	10.2	51.1	27.4	12.7	63.7	34.1
Washburn	-	-	-	-	-	-
Washington	-	30.0	15.7	-	30.0	15.7
Waukesha	5.8	21.4	12.2	9.8	34.2	19.8
Waupaca	-	41.4	25.4	-	48.9	32.1
Waushara	-	81.2	43.5	-	81.2	43.5
Winnebago	10.8	36.3	20.9	17.0	52.6	31.1
Wood	-	42.0	22.9	-	42.0	22.9

Sources: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*; and *Reported Induced Abortions in Wisconsin, 2002*. Population counts used to calculate rates are from United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These population estimates are provisional and subject to revision.

Notes: A birth rate is not calculated when there were fewer than 20 births for an age group in a county; this is indicated with a dash (-). Rates are per 1,000 females in the age group. The birth rates for mothers <20 and for mothers <18 include births to mothers below age 15.

$$<20 \text{ Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers } <20}{\text{No. of females 15-19}} \right)$$

$$<18 \text{ Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers } <18}{\text{No. of females 15-17}} \right)$$

The pregnancy rate is an estimate based on the number of live births, reported fetal deaths, and reported induced abortions. This underestimates the actual number of pregnancies because it does not include miscarriages not reported as fetal deaths. Fetal deaths are reportable when fetal gestation is 20 weeks or more. Pregnancies from border counties may also be underestimated because of limited reporting by out-of-state facilities.

Local Information

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2002

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Total	6,534	1,160	653	193	3,240	971	317	4,400	1,624	510
Adams	26	8	-	-	17	1	-	25	1	-
Ashland	22	4	-	2	12	-	4	16	-	6
Barron	63	12	-	1	50	-	-	62	-	1
Bayfield	12	1	-	1	8	-	2	9	-	3
Brown	304	51	5	26	168	8	46	219	13	72
Buffalo	11	2	-	-	9	-	-	11	-	-
Burnett	22	3	-	3	14	-	2	17	-	5
Calumet	19	5	-	2	9	-	3	14	-	5
Chippewa	62	10	-	-	50	-	2	60	-	2
Clark	42	6	-	-	36	-	-	42	-	-
Columbia	39	6	-	-	32	-	1	38	-	1
Crawford	25	5	-	-	18	1	1	23	1	1
Dane	335	65	38	13	150	45	24	215	83	37
Dodge	80	18	-	-	59	2	1	77	2	1
Door	18	1	-	-	17	-	-	18	-	-
Douglas	46	11	-	1	34	-	-	45	-	1
Dunn	33	14	-	-	17	-	2	31	-	2
Eau Claire	83	19	1	2	51	1	9	70	2	11
Florence	4	-	-	-	4	-	-	4	-	-
Fond du Lac	91	17	-	2	67	3	2	84	3	4
Forest	18	4	-	4	9	-	1	13	-	5
Grant	45	8	-	1	36	-	-	44	-	1
Green	30	11	-	-	19	-	-	30	-	-
Green Lake	19	7	-	1	10	-	1	17	-	2
Iowa	21	6	-	-	15	-	-	21	-	-
Iron	-	-	-	-	-	-	-	-	-	-
Jackson	22	4	-	3	13	-	2	17	-	5
Jefferson	83	28	-	-	55	-	-	83	-	-
Juneau	37	5	-	-	31	-	1	36	-	1
Kenosha	232	46	12	1	134	37	2	180	49	3
Kewaunee	17	5	-	-	12	-	-	17	-	-
La Crosse	95	11	3	8	61	2	10	72	5	18
Lafayette	13	5	-	-	8	-	-	13	-	-
Langlade	34	12	-	-	22	-	-	34	-	-
Lincoln	33	7	-	-	26	-	-	33	-	-
Manitowoc	88	24	-	7	55	-	2	79	-	9

(Continued)

Local Information

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2002

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Marathon	137	21	1	18	75	3	19	96	4	37
Marinette	39	6	-	1	32	-	-	38	-	1
Marquette	19	3	-	1	15	-	-	18	-	1
Menominee	16	-	-	8	-	-	8	-	-	16
Milwaukee	2,184	267	523	34	528	759	73	795	1,282	107
Monroe	52	7	-	1	43	-	1	50	-	2
Oconto	33	10	-	-	21	-	2	31	-	2
Oneida	21	3	-	-	17	-	1	20	-	1
Outagamie	172	29	-	15	105	1	22	134	1	37
Ozaukee	28	9	-	-	18	-	1	27	-	1
Pepin	6	1	-	-	5	-	-	6	-	-
Pierce	27	4	-	-	23	-	-	27	-	-
Polk	35	8	-	1	22	1	3	30	1	4
Portage	71	17	-	7	44	1	2	61	1	9
Price	10	4	-	-	6	-	-	10	-	-
Racine	328	49	53	-	151	71	4	200	124	4
Richland	12	2	-	-	10	-	-	12	-	-
Rock	244	60	13	-	149	20	2	209	33	2
Rusk	17	3	-	-	12	1	1	15	1	1
St. Croix	31	5	-	-	25	-	1	30	-	1
Sauk	79	21	-	2	52	-	4	73	-	6
Sawyer	22	2	-	3	5	-	12	7	-	15
Shawano	42	6	-	4	24	-	8	30	-	12
Sheboygan	107	23	-	6	59	1	18	82	1	24
Taylor	17	4	-	-	13	-	-	17	-	-
Trempealeau	16	6	-	-	10	-	-	16	-	-
Vernon	29	6	-	-	23	-	-	29	-	-
Vilas	18	2	-	3	9	-	4	11	-	7
Walworth	93	20	-	-	73	-	-	93	-	-
Washburn	18	4	-	-	14	-	-	18	-	-
Washington	63	12	-	-	50	-	1	62	-	1
Waukesha	153	42	1	-	103	7	-	145	8	-
Waupaca	46	12	1	-	32	-	1	44	1	1
Waushara	34	9	-	-	23	1	1	32	1	1
Winnebago	129	30	2	8	74	5	10	104	7	18
Wood	62	12	-	3	47	-	-	59	-	3

Source: Resident birth certificates, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Births to mothers of Hispanic origin are included within the race categories (see Technical Notes). This differs from the other tables related to race/ethnicity in this report. A dash (-) indicates there were no births in that category.

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2002

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Total	108	1,898	2,006	4,528	6,534	20,707
Adams	-	8	8	15	23	67
Ashland	-	6	6	11	17	82
Barron	-	12	12	41	53	157
Bayfield	-	n/s	n/s	7	9	38
Brown	8	64	72	171	243	945
Buffalo	-	n/s	n/s	9	10	32
Burnett	-	6	6	12	18	69
Calumet	-	6	6	4	10	80
Chippewa	-	9	9	39	48	158
Clark	-	6	6	26	32	92
Columbia	-	6	6	21	27	132
Crawford	-	5	5	18	23	56
Dane	7	98	105	170	275	1,313
Dodge	-	16	16	57	73	282
Door	-	n/s	n/s	11	12	55
Douglas	n/s	10	11	28	39	173
Dunn	-	12	12	14	26	102
Eau Claire	-	20	20	49	69	284
Florence	-	-	-	1	1	3
Fond du Lac	-	16	16	56	72	313
Forest	-	7	7	9	16	38
Grant	n/s	8	9	26	35	125
Green	-	9	9	15	24	105
Green Lake	-	6	6	10	16	54
Iowa	-	5	5	8	13	57
Iron	-	-	-	-	-	10
Jackson	-	7	7	14	21	78
Jefferson	n/s	22	24	45	69	239
Juneau	-	5	5	26	31	116
Kenosha	-	51	51	137	188	678
Kewaunee	-	5	5	11	16	48
La Crosse	n/s	17	18	58	76	300
Lafayette	-	5	5	7	12	44
Langlade	n/s	10	11	18	29	79
Lincoln	-	6	6	22	28	100
Manitowoc	n/s	22	24	44	68	252
Marathon	n/s	24	25	70	95	343
Marinette	-	6	6	20	26	98
Marquette	-	n/s	n/s	8	12	46
Menominee	-	8	8	7	15	65
Milwaukee	65	724	789	1,215	2,004	7,249
Monroe	-	7	7	33	40	140

(Continued)

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2002

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Oconto	-	10	10	21	31	104
Oneida	-	n/s	n/s	14	17	75
Outagamie	n/s	34	35	87	122	457
Ozaukee	-	8	8	17	25	110
Pepin	-	n/s	n/s	n/s	5	16
Pierce	-	n/s	n/s	20	24	94
Polk	-	9	9	24	33	108
Portage	n/s	16	17	35	52	180
Price	-	n/s	n/s	3	6	29
Racine	9	90	99	190	289	988
Richland	-	n/s	n/s	10	12	50
Rock	n/s	67	70	139	209	726
Rusk	-	3	3	8	11	39
St. Croix	-	3	3	19	22	145
Sauk	-	22	22	41	63	211
Sawyer	-	4	4	15	19	73
Shawano	-	10	10	28	38	141
Sheboygan	n/s	22	24	46	70	310
Taylor	-	n/s	n/s	11	15	58
Trempealeau	-	6	6	9	15	70
Vernon	-	5	5	16	21	64
Vilas	-	n/s	n/s	9	13	60
Walworth	-	18	18	49	67	271
Washburn	-	n/s	n/s	12	16	46
Washington	n/s	11	12	47	59	223
Waukesha	n/s	36	37	82	119	532
Waupaca	-	11	11	22	33	152
Waushara	-	7	7	16	23	63
Winnebago	n/s	27	28	69	97	412
Wood	-	14	14	32	46	203

Source: Wisconsin Bureau of Health Information, *Wisconsin Births and Infant Deaths, 2002*.

Notes: A dash (-) indicates there were no births to unmarried women in this age group. An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 9).

Local Information

Table 13. Births by Teen Age Group and Selected Places of Residence, Wisconsin 2002

City	<15	15-17	<18	18-19	<20	All Births
Appleton	1	31	32	80	112	1,240
Beloit	3	34	37	63	100	585
Brookfield	-	1	1	3	4	251
Caledonia (T)	-	2	2	5	7	160
De Pere	-	3	3	13	16	302
Eau Claire	-	13	13	48	61	795
Fitchburg	1	1	2	10	12	163
Fond du Lac	-	12	12	54	66	627
Franklin	-	-	-	8	8	326
Green Bay	6	66	72	170	242	1,913
Greenfield	-	3	3	13	16	301
Janesville	-	23	23	75	98	867
Kenosha	-	54	54	150	204	1,703
La Crosse	1	15	16	52	68	598
Madison	6	82	88	162	250	3,015
Manitowoc	2	21	23	36	59	429
Menomonee Falls (V)	-	4	4	5	9	365
Mequon/Thiensville	-	2	2	-	2	247
Milwaukee	63	723	786	1,235	2,021	10,823
Mount Pleasant (T)	-	4	4	4	8	78
Muskego	-	2	2	8	10	266
Neenah/Menasha	-	11	11	19	30	590
New Berlin	-	-	-	3	3	398
Oak Creek	-	7	7	15	22	392
Oshkosh	1	23	24	49	73	829
Racine	8	77	85	185	270	1,723
Sheboygan	2	21	23	53	76	741
South Milwaukee	1	6	7	20	27	227
Stevens Point	1	17	18	22	40	290
Sun Prairie	-	5	5	11	16	401
Superior	1	8	9	24	33	333
Watertown	-	7	7	15	22	306
Waukesha	1	22	23	50	73	1,153
Wausau	-	26	26	40	66	475
Wauwatosa	-	2	2	8	10	550
West Allis	1	9	10	32	42	598
West Bend	-	2	2	22	24	456

Source: Resident birth certificates, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: A dash (-) indicates there were no births in that category.

This table includes cities with a population of 20,000 or more according to population estimates from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision. Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 14. Births to Teens by County of Residence, Wisconsin 1992-2002

County	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	7,208	7,232	7,037	7,110	7,103	7,088	7,047	7,308	7,077	6,849	6,534
Adams	15	20	16	26	18	30	28	23	20	23	26
Ashland	26	23	27	22	29	29	17	26	33	19	22
Barron	57	55	59	73	62	60	59	60	45	55	63
Bayfield	21	20	13	20	15	17	11	21	8	14	12
Brown	256	258	249	242	256	278	278	290	332	290	304
Buffalo	8	11	18	9	9	7	7	9	15	12	11
Burnett	29	21	14	16	23	24	14	24	18	23	22
Calumet	34	23	30	24	30	23	36	30	20	33	19
Chippewa	75	85	65	64	66	70	73	87	73	68	62
Clark	31	42	34	32	30	39	43	35	37	36	42
Columbia	42	45	54	50	57	46	60	38	42	42	39
Crawford	10	18	20	21	14	22	21	23	25	22	25
Dane	286	290	300	301	296	328	330	339	382	358	335
Dodge	73	89	72	77	95	93	68	98	100	80	80
Door	17	21	25	17	25	25	19	20	25	21	18
Douglas	46	70	81	65	58	65	57	66	65	53	46
Dunn	57	34	37	37	43	44	47	38	34	40	33
Eau Claire	105	98	103	93	118	105	78	89	85	91	83
Florence	5	4	5	3	6	3	-	2	5	1	4
Fond du Lac	102	86	98	110	111	104	96	120	101	102	91
Forest	26	27	15	28	11	21	19	19	11	17	18
Grant	47	39	52	46	41	50	52	40	47	37	45
Green	28	24	36	28	35	24	23	38	26	31	30
Green Lake	22	20	23	22	26	24	22	14	26	18	19
Iowa	23	20	9	18	17	9	9	18	19	19	21
Iron	5	7	8	2	2	6	1	1	8	1	-
Jackson	26	26	28	26	21	24	26	32	31	21	22
Jefferson	65	78	59	62	71	76	86	88	79	70	83
Juneau	27	35	37	41	39	37	41	41	39	34	37
Kenosha	266	257	242	265	243	246	256	262	245	222	232
Kewaunee	14	12	6	14	21	15	12	18	19	13	17
La Crosse	100	105	101	95	85	104	115	114	81	105	95
Lafayette	20	13	14	18	10	6	10	14	16	20	13
Langlade	39	34	39	31	26	32	27	38	34	30	34
Lincoln	41	36	43	37	45	29	35	33	25	27	33
Manitowoc	70	67	87	75	82	82	94	90	85	80	88

(Continued)

Table 14. Births to Teens by County of Residence, Wisconsin 1992-2002

County	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Marathon	121	118	123	131	127	123	120	143	141	119	137
Marinette	45	40	41	47	42	45	41	42	53	49	39
Marquette	18	19	14	9	18	21	9	21	21	31	19
Menominee	34	20	13	18	16	21	20	23	18	27	16
Milwaukee	2,754	2,684	2,592	2,602	2,566	2,438	2,445	2,480	2,331	2,326	2,184
Monroe	62	67	63	68	63	50	63	53	71	56	52
Oconto	23	27	32	40	35	37	35	42	30	32	33
Oneida	42	38	41	19	30	40	31	26	27	28	21
Outagamie	149	133	122	134	153	149	144	171	162	161	172
Ozaukee	24	30	24	26	35	28	32	32	29	27	28
Pepin	7	6	5	5	5	6	5	9	7	8	6
Pierce	20	21	25	30	20	22	27	27	31	19	27
Polk	48	49	40	42	35	28	38	47	40	46	35
Portage	49	76	67	54	66	59	75	77	84	68	71
Price	20	15	15	23	16	14	13	13	7	9	10
Racine	345	390	356	354	348	353	365	348	352	291	328
Richland	15	20	15	26	13	17	18	18	15	22	12
Rock	279	251	261	233	243	272	252	266	257	273	244
Rusk	24	31	17	35	19	26	13	27	12	21	17
St. Croix	55	51	47	39	47	48	42	50	55	46	31
Sauk	46	60	50	56	65	69	66	63	63	75	79
Sawyer	38	27	26	24	28	22	23	28	32	32	22
Shawano	43	48	50	50	44	49	43	45	38	43	42
Sheboygan	108	115	102	136	122	111	138	150	132	138	107
Taylor	24	20	23	20	10	16	19	21	17	20	17
Trempealeau	31	31	28	30	28	21	28	24	24	29	16
Vernon	24	24	15	20	21	27	25	29	36	21	29
Vilas	26	24	14	28	20	20	13	14	18	20	18
Walworth	69	74	85	90	96	93	109	112	100	114	93
Washburn	15	18	19	16	17	21	13	19	20	22	18
Washington	65	70	62	70	80	73	88	89	77	76	63
Waukesha	149	168	199	188	174	186	206	174	191	146	153
Waupaca	61	77	63	78	68	70	68	52	56	53	46
Waushara	24	27	31	38	38	27	29	35	24	34	34
Winnebago	140	152	150	134	139	183	142	158	157	141	129

Source: Resident birth certificates, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Numbers of births for 1996 reported here are slightly different from those published in the 1996 report because other states filed three duplicate records for Wisconsin teen residents. A dash (-) indicates there were no births in that category.

Definitions, Explanations of Terms, and Limitations of the Data

Teens. “Teens” in this report are females under 20 years of age. “Younger teens” are less than 18 years of age. “Older teens” are 18 to 19 years of age.

Race/Ethnicity Classifications. The Bureau of Health Information has reported maternal and child health data by race and ethnicity two different ways. The first presentation of data excludes persons of Hispanic/Latino ethnicity from any of the race categories and shows data for Hispanics/Latinos separately. Most of the tables and graphs in this report present the race/ethnicity data in this format. Table 11 includes Hispanics/Latinos within the racial categories.

Prior to 1994, Wisconsin birth reports included a racial category labeled “Indochinese.” Beginning in 1994, this category was redefined as “Laotian/Hmong” (who constituted approximately 95 percent of the Indochinese category). The remaining 5 percent of births in the Indochinese category were reallocated to the “Other” grouping; this includes Vietnamese, Cambodian, Thai, Chinese, Japanese, and East Indian.

Mortality.

Infant Deaths. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 2002, rather than the mortality experience of the 2002 birth cohort, to allow more timely reporting on infant mortality.

Fetal Deaths. A fetal death or stillbirth is “a fetus which, after complete expulsion or extraction from the woman, does not breathe or show other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.” By Wisconsin statute, a stillbirth of at least 20 weeks’ gestation or 350 grams must be reported. Some 2002 stillbirths (fetal deaths) to Wisconsin residents are not included in this publication because some were less than 20 weeks’ gestation, some occurred outside Wisconsin, and an unknown number that occurred within the state were not reported. (Note: A fetal death report is not used for induced abortions.)

Limitations of the Data. Vital records information may have some limitations related to completeness, accuracy, and timeliness of registration, quality control procedures and classification problems. The reporting of live births and infant deaths is considered to be essentially complete for births occurring in Wisconsin. A cooperative exchange program between the states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit reviews birth certificates and death certificates for logical inconsistencies. Some errors remain after this review, but they are thought to have little, if any, effect on statistical results.